



# New Maths GCSE: A7 - Function Machines - numbers

Name:.....

Date:.....

What is the output?

a) 23      b) 15  
c) 19      d) 7

Correct Answer: A B C D

Explanation:

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What is the output?

a) -3      b) 3  
c) -4      d) -21

Correct Answer: A B C D

Explanation:

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What is the input?

a) 15              b) 78  
c) 8.6666        d) 6

Correct Answer: A B C D

Explanation:

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What is the input?

a) -8                      b) 4  
c) 8                         d) -4

Correct Answer: A B C D

Explanation:

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Which of these could **NOT** be the function?

a)  $x^2 + 2$                       b)  $x^4 - 4$   
c)  $x^{10} - 30$                       d)  $+ 6$

Correct Answer: A B C D

Explanation:

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Which of these could **NOT** be the function?

a)  $x(-2) + 12$                       b)  $x^2 - 16$   
c)  $-9$                                  d)  $x^1 - 2$

Correct Answer: A B C D

Explanation:

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Which of these could **NOT** be the function?

a)  $+ 10$                                  b)  $x^2 + 4$   
c)  $x^8 + 24$                                  d)  $x(-4)$

Correct Answer: A B C D

Explanation:

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# Formula

A table is shown.

Input	Output
2	12
4	24
8	48

What is the output number when the input number is 12?

- A 2
- B 60
- C 72
- D 96



Correct Answer: A B C D

Explanation:

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